

11. Sebastian

Program Name: Sebastian.java

Input File: sebastian.dat

Sebastian has decided that he is bored with the way words are alphabetized. He has come up with a scheme that places words in order based on the sum of the ASCII values of each of the characters in the words. For example the sum of the ASCII values in bravery is 763. The sum of the ASCII values in abracadabra is 1108. So, bravery would come before abracadabra in Sebastian's ordering scheme. Sometimes the sum of the ASCII values in two words are the same. When this is the case Sebastian just alphabetizes the two words. Sebastian has even come up with a name for his new alphabetizing method. He's calling it ASCIIbetizing. Clearly it is a lot more work to ASCIIbetize a list of words than it is to alphabetize them so Sebastian needs a program to do the job for him. That's where you come in. Write a program that will place a list of words into ASCIIbetized order.

Input: An unknown number of lines each containing an unknown number of words or numbers each separated by a space. There will be no punctuation within or between the words.

Output: An ASCIIbetized list of the words contained in the input file each on a separate line without duplicates. *Despite the sample below shown in two columns, the actual output is to be all in one left aligned column.*

Sample input:

```
There was an Old Man with a beard
Who said It is just as I feared
Two Owls and a Hen
Four Larks and a Wren
Have all built their nests in my beard
```

Sample output: *(Shown in two columns)*

I	was
a	Have
It	Four
an	Wren
as	said
in	Owls
is	with
my	just
Hen	There
Man	Larks
Old	beard
Who	their
and	built
all	nests
Two	feared